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### 1 [Cost-based optimization of decision support queries using transient-views](#)



Subbu N. Subramanian, Shivakumar Venkataraman

 June 1998 **ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data SIGMOD '98**, Volume 27.Issue 2

Publisher: ACM Press

Full text available: pdf(1.58 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Next generation decision support applications, besides being capable of processing huge amounts of data, require the ability to integrate and reason over data from multiple, heterogeneous data sources. Often, these data sources differ in a variety of aspects such as their data models, the query languages they support, and their network protocols. Also, typically they are spread over a wide geographical area. The cost of processing decision support queries in such a setting is quite high. Ho ...

### 2 [High performance and availability through data distribution](#)



Jay Kasi

 June 1992 **ACM SIGMOD Record , Proceedings of the 1992 ACM SIGMOD international conference on Management of data SIGMOD '92**, Volume 21 Issue 2

Publisher: ACM Press

Full text available: pdf(43.07 KB)

 Additional Information: [full citation](#), [index terms](#)

### 3 [Reuse of compiler analysis in a programming environment](#)



M. P. Blivens, M. L. Soffa

 February 1989 **Proceedings of the 17th conference on ACM Annual Computer Science Conference**

Publisher: ACM Press

Full text available: pdf(1.15 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Productivity in the development of software can be increased by reusing code and design analysis. Following this approach we have developed an incremental optimizing compiler that reuses target code and compiler analysis. In order to be practical, it shares a database of information with other tools in a programming environment. The analysis performed by a compiler is reused to greatly reduce the recompilation time during program development and to incrementally produce target code that is ...

#### 4 Distributed disconnected databases



Leslie Klieb

February 1996 **Proceedings of the 1996 ACM symposium on Applied Computing**

**Publisher:** ACM Press

Full text available: [pdf\(607.59 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** conflict resolution, databases, mobile computing, optimistic peer-to peer synchronization

#### 5 A technology relative Logic Synthesis and Module Selection system



G. W. Leive, D. E. Thomas

June 1981 **Proceedings of the 18th conference on Design automation**

**Publisher:** IEEE Press

Full text available: [pdf\(649.81 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The logic synthesis step of the CMU-DA system selects modules from a database for use in a digital system. This approach to logic synthesis is described. An experiment using volunteer designers was conducted to calibrate the automated system. The results indicate that the automated system produces designs that are quite close to those expected in the sample population. Design spaces for a relatively large design and two module sets (TTL and CMOS Standard Cells) are illustrated and discussed ...

#### 6 An algorithm for finding tandem repeats of unspecified pattern size



Gary Benson

March 1998 **Proceedings of the second annual international conference on Computational molecular biology**

**Publisher:** ACM Press

Full text available: [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

#### 7 Experience with a modular typed language: PROTEL



P. M. Cashin, M. L. Joliat, R. F. Kamel, D. M. Lasker

March 1981 **Proceedings of the 5th international conference on Software engineering**

**Publisher:** IEEE Press

Full text available: [pdf\(757.04 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The support for modular software and the ability to perform type checking across module boundaries are becoming the mainstay of recent high level language design. This is well illustrated by languages such as MESA and the US Department of Defence's new standard language ADA. At Bell-Northern Research, PROTEL, one of the first modular typed languages, has been used since 1975 to implement a substantial software system. The experience accumulated in building this system has given us a unique ...

**Keywords:** ADA, Languages, Modularity, Separate compilation, Type checking

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1799	(715/500,505,506,507,508).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:35
L2	80	(705/19).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:36
L3	7611	(707/10,200).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:36
L4	9401	1 2 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:36
L5	4310	4 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:36
L6	184	5 and tax\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:36
L7	129	6 and database\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:36
L8	45	6 and ((duplicat\$3 or redundant\$2 or backup or cop\$3) with (database\$1 or table\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:37
L9	47	6 and ((duplicat\$3 or redundant\$2 or backup or cop\$3 or identical\$2) with (database\$1 or table\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:38

## EAST Search History

L10	17	6 and ((duplicat\$3 or identical\$2) with (database\$1 or table\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 15:38
S1	149	(705/13).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 11:04
S2	2	("5774872").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/19 09:51
S3	2	("5724523").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/19 09:51
S4	374	(705/39).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:41
S5	41	(705/19).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:42
S6	86	(715/506).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:42
S7	2856	(707/10).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:42
S8	48	(705/31).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:42
S9	378	(715/500).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:55

## EAST Search History

S10	557	(715/501.1).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:45
S11	25437	tax\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:45
S12	9698	tax\$5 and prepar\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:46
S13	8731	(tax\$5 and prepar\$5) and form\$2	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 08:46
S14	1355072	revenue\$1 or tax\$3 or fee\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/27 11:49
S15	131695	(revenue\$1 or tax\$3 or fee\$1) and preparation\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/27 11:50
S16	582	(revenue\$1 or tax\$3 or fee\$1) and (irs or (internal adj revenue adj service\$1))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/27 11:51
S17	531	((revenue\$1 or tax\$3 or fee\$1) and (irs or (internal adj revenue adj service\$1))) and form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/27 11:51
S18	44	((((revenue\$1 or tax\$3 or fee\$1) and (irs or (internal adj revenue adj service\$1))) and form\$1) and (tax\$2 near form\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/27 11:51
S19	50	(705/31).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/13 13:43
S20	50	(705/31).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/27 15:44

## EAST Search History

S21	21711	tax\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 12:25
S22	459	income adj tax\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:35
S23	1	(income adj tax\$3) and (duplicat\$3 near (table\$1 or list\$1 or database\$1))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:36
S24	2	(income adj tax\$3) and (duplicat\$3 near3 (table\$1 or list\$1 or database\$1))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:37
S25	38	tax\$3 near database\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:44
S26	0	tax\$3 near database\$1 near interfac\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:38
S27	0	(tax\$3 near database\$1) near interfac\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:38
S28	50	(705/31).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:47
S29	12	((705/31).CCLS.) and duplicat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:46
S30	1	((705/31).CCLS.) and (database\$1 near interfac\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:47
S31	14	((705/31).CCLS.) and internet	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/13 13:48
S32	1	"5774872".PN.	USPAT	OR	OFF	2004/09/13 13:53
S33	1	"5724523".PN.	USPAT	OR	OFF	2004/09/13 13:57
S34	1	"5694322".PN.	USPAT	OR	OFF	2004/09/13 13:58



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S36	1	"5546303".PN.	USPAT	OR	OFF	2004/09/13 13:58
S37	1	"5521815".PN.	USPAT	OR	OFF	2004/09/13 13:58
S38	1	"5287268".PN.	USPAT	OR	OFF	2004/09/13 13:58
S39	1	"5202826".PN.	USPAT	OR	OFF	2004/09/13 13:58
S40	1	"5193057".PN.	USPAT	OR	OFF	2004/09/13 13:58
S41	1	"5138549".PN.	USPAT	OR	OFF	2004/09/13 13:59
S42	1	"5117355".PN.	USPAT	OR	OFF	2004/09/13 13:59
S43	1	"4961158".PN.	USPAT	OR	OFF	2004/09/13 13:59
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S45	187	(form\$1 adj database\$1) and government\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:21
S46	0	((form\$1 adj database\$1) and (tax\$3 or revenue\$3)) and (government\$3 near maintain\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:22
S47	156	(form\$1 adj database\$1) and (tax\$3 or revenue\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:29
S48	30977	tax\$3 or revenue\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:29
S49	3161	(tax\$3 or revenue\$3) and government\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:29
S50	2820	((tax\$3 or revenue\$3) and government\$4) and form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:30
S51	704	((((tax\$3 or revenue\$3) and government\$4) and form\$1) and (duplicat\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:38
S52	2	("4890228").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:40

## EAST Search History

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S55	12	((705/31).CCLS.) and duplicat\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 10:40
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S58	5	donlavage	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 11:22
S59	0	donlavage and duplicate	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 11:21
S60	0	donlavage and redundant	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 11:21
S61	0	donlavage and form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/21 11:22
S62	183	tax adj form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:41
S63	0	access\$3 near (tax adj form\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:41

## EAST Search History

S64	2	access\$3 near5 (tax adj form\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:44
S65	100	tax\$2 adj preparat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:44
S66	223	tax\$2 adj (preparat\$3 or process\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:44
S67	126	tax\$2 adj (process\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:45
S68	68	(tax\$2 adj (process\$3)) and (federal or state or irs)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:48
S69	11	(tax\$2 adj (process\$3)) and (federal or irs)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:53
S70	2367	form\$1 near database\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 13:54
S71	38	(electronic) near (form\$1 near database\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:02
S72	23477	client near server	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:04
S73	22	turbotax	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:11
S74	142	duplicate near (stor\$3 near data)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:12
S75	34	(duplicate near (stor\$3 near data)) and database\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:16

## EAST Search History

S76	0	(duplicate near table\$1) near database\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:17
S77	3	(duplicate adj table\$1) with database\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:21
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S79	22	(duplicate adj table\$1) and database\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:25
S80	2	("5979501").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:25
S81	2	("5970501").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:35
S82	331	mirror\$3 near table\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:46
S83	0	mirror\$3 near (database\$1 adj table\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:35
S84	9	mirror\$3 with (database\$1 adj table\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:39
S85	1	(mirror\$3 with (database\$1 adj table\$1)) and migrat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:44
S86	0	itegrated adj taxation adj processing	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:44

## EAST Search History

S87	0	itegrated adj taxation	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:44
S88	0	revenue adj (online or (on adj line)) adj system	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:45
S89	0	mirror\$3 near (database\$1 with table\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:47
S90	41	mirror\$3 with (database\$1 with table\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/30 14:49
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S95	807	(705/38).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/03 10:04
S96	44	S94 and (online or web)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/03 10:06
S97	9	S96 and duplicat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/03 10:06

## EAST Search History

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S99	98	(715/506).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:55
S10 0	47	(705/19).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:55
S10 1	125	(715/505).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:55
S10 2	98	(715/506).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:55
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S10 5	3547	(707/10).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:55
S10 6	1207	(707/200).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/12 10:56
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## EAST Search History

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S111	80	(705/19).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 08:53
S112	9	S111 and (fill\$3 with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:28
S113	81	adobe and distiller	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:29
S114	28	adobe and distiller and thumbnail\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:43
S115	2	("5,675,507").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:43
S116	1104	(pdf with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:52
S117	15	(pdf with form\$1) and adobe.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:53

## EAST Search History

S11 8	375	(form\$1) and adobe.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:54
S11 9	2	(form\$1 near fill\$3) and adobe.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:54
S12 0	237	pdf near form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:56
S12 1	1	pdf near tax near form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:57
S12 2	3	pdf near5 (tax near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:58
S12 3	1	pdf near5 (fillable near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:59
S12 4	1	pdf with (fillable near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:59
S12 5	60	(fillable near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:01
S12 6	1	(fillable near form\$1) same pdf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 12:59
S12 7	19	S125 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:02



## EAST Search History

S12 8	712	(715/505-508).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:02
S12 9	407	S128 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:16
S13 0	338	S129 and (first and second)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:03
S13 1	90	S129 and ((first and second) with field\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:04
S13 2	8	S129 and ((first and second) with fill\$3 with field\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:06
S13 3	13	S129 and (comput\$5 with fill\$3 with field\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:16
S13 4	48	(smart adj form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:16
S13 5	22	S134 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:20
S13 6	476677	(computation\$1 or mathematic\$5 or addition\$1 or subtract\$4 or multiplication\$1 or calculat\$5) with (form\$1 or field\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:18
S13 7	5880	(computation\$1 or mathematic\$5 or addition\$1 or subtract\$4 or multiplication\$1 or calculat\$5) with (form\$1 or field\$1) with (fill\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:19

## EAST Search History

S13 8	1130	(computation\$1 or mathematic\$5 or addition\$1 or subtract\$4 or multiplication\$1 or calculat\$5) with (field\$1) with (fill\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:19
S13 9	975	S137 and (interactiv\$5 or dynamic\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:20
S14 0	1811	S137 and (interactiv\$5 or dynamic\$5 or automatic\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:20
S14 1	712	(715/505-508).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:20
S14 2	29	S140 and S141	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:20
S14 3	10	S142 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:55
S14 4	704	(forms adj data adj format) or FDF	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:59
S14 5	276	S144 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:58
S14 6	1	S145 and adobe.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 13:55
S14 7	31	(forms adj data adj format)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 14:00

## EAST Search History

S148	12	S147 and (calculat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 14:02
S149	6	S147 and (transaction\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 14:02
S150	24	US-4837798-\$.DID. OR US-4949278-\$.DID. OR US-5509071-\$.DID. OR US-5535322-\$.DID. OR US-5548753-\$.DID. OR US-5590197-\$.DID. OR US-5739512-\$.DID. OR US-5852722-\$.DID. OR US-5903651-\$.DID. OR US-5911776-\$.DID. OR US-5915022-\$.DID. OR US-5970501-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:37
S151	2	"20020013747"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:38
S152	26	US-5978799-\$.DID. OR US-6035398-\$.DID. OR US-6044462-\$.DID. OR US-6047264-\$.DID. OR US-6061570-\$.DID. OR US-6112305-\$.DID. OR US-6137865-\$.DID. OR US-6223168-\$.DID. OR US-6285991-\$.DID. OR US-6321339-\$.DID. OR US-6327576-\$.DID. OR US-6341353-\$.DID. OR US-6353608-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:38

## EAST Search History

S15 3	26	US-6442689-\$.DID. OR US-6510513-\$.DID. OR US-6526581-\$.DID. OR US-6553108-\$.DID. OR US-6567789-\$.DID. OR US-6584096-\$.DID. OR US-6609114-\$.DID. OR US-6618764-\$.DID. OR US-6658474-\$.DID. OR US-6735619-\$.DID. OR US-6778646-\$.DID. OR US-6785720-\$.DID. OR US-6829333-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:39
S15 4	77	S150 S151 S152 S153	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:39
S15 5	76	S154 and @ad<="20000426"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:40
S15 6	34	S155 and (database\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:40
S15 7	12	S155 and (database\$1 and table\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:42
S15 8	10	S155 and ((multiple or pluralit\$3) with (database\$1 or table\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:42
S15 9	1	S158 and ((duplicat\$3 or identical\$2) with (database\$1 or table\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:44
S16 0	4	S158 and ((duplicat\$3 or identical\$2 or redundant\$2) with (database\$1 or table\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:46

## EAST Search History

S16 1	35	S155 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:47
S16 2	4	S155 and (fill\$3 near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:48
S16 3	35	S155 and (form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 09:16
S16 4	0	S155 and (form\$1 with calculat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 08:49
S16 5	10	S155 and (form\$1) and tax\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 10:49
S16 6	2	("5924094").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 14:11
S16 8	2	("6567789").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 14:11

# Interference search

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	409954	tax\$3 or database\$1 or (form\$1 with fill\$3) or (duplicat\$3 or identical)	US-PGPUB
2	BRS	L2	43	(tax\$3 with database\$1) and (form\$1 with fill\$3) and (duplicat\$3 or identical)	US-PGPUB

	<b>Time Stamp</b>	<b>Comments</b>	<b>Error Definition</b>	<b>Errors</b>
<b>1</b>	2006/03/31 15:40			
<b>2</b>	2006/03/31 15:40			